

A2
cont.
formulated into a dust and then applied to a container in which the stored product and insect pests were present. The dusts were applied at different percentages relative to the stored products, and insect mortality was observed at 48 hours. The results are shown below.---

IN THE CLAIMS

Please cancel Claims 1 through 6, without prejudice to, or disclaimer of, the subject matter they contain.

Please amend Claim 7, as follows.

A3
7. (Amended) A method for controlling beetles in stored products, the method comprising applying to the locus where control is desired a pesticidally-effective amount of a composition comprising, in admixture with an acceptable carrier, at least one plant essential oil compound or derivative thereof.

Please add Claims 8 through 40, as follow.

A4
8. The method of Claim 7 wherein, the plant essential oil compound or derivative thereof comprises a monocyclic, carbocyclic ring structure having six-members and substituted by at least one oxygenated or hydroxyl functional moiety.

Sub B1
9. The method of Claim 7 wherein, the plant essential oil compound or derivative thereof is selected from the group consisting of aldehyde C16 (pure), α -terpineol, amyl cinnamic aldehyde, amyl salicylate, anisic aldehyde, benzyl alcohol, benzyl acetate, cinnamaldehyde, cinnamic alcohol, carvacrol, carveol, citral, citronellal, citronellol, p-cymene, diethyl phthalate, dimethyl salicylate, dipropylene glycol, eucalyptol (cineole), eugenol, iso-eugenol, galaxolide, geraniol, guaiacol, ionone, menthol, methyl anthranilate, methyl ionone, methyl salicylate, α -phellandrene, pennyroyal oil perillaldehyde, 1- or 2-phenyl ethyl alcohol, 1- or 2-phenyl ethyl

Sub B1
Contd

propionate, piperonal, piperonyl acetate, piperonyl alcohol, D-pulegone, terpinen-4-ol, terpinyl acetate, 4-tert butylcyclohexyl acetate, thyme oil, thymol, metabolites of trans-anethole, vanillin, and ethyl vanillin.

112

10. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol, in admixture with an acceptable carrier.

11. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of benzyl alcohol, in admixture with an acceptable carrier.

AH
cont.

12. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, in admixture with an acceptable carrier.

13. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl propionate, in admixture with an acceptable carrier.

14. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of trans-anethole, in admixture with an acceptable carrier.

15. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of eugenol, in admixture with an acceptable carrier.

16. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of thymol, trans-anethole, eugenol, α -terpineol and citronellal, in admixture with an acceptable carrier.

17. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of α -terpineol, in admixture with an acceptable carrier.

18. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of thymol, in admixture with an acceptable carrier.

19. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of eugenol, α -terpineol and cinnamic alcohol, in admixture with an acceptable carrier.

20. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of 4-Blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol) 10%, eugenol 1.7%, α -terpineol 1.7%, and cinnamic alcohol 1.7%, in admixture with an acceptable carrier.

21. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of 4-blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol) 10%, eugenol 2.5%, thymol 3%, and cis-jasmone 0.6%, in admixture with an acceptable carrier.

22. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl propionate 3.75%, thymol 3.0%, eugenol 2.5%, and PD98059 0.03%, in admixture with an acceptable carrier.

23. A method for controlling maize weevil comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, α -terpineol and eugenol, in admixture with an acceptable carrier.

24. A method for controlling sawtoothed grain adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol, in admixture with an acceptable carrier.

25. A method for controlling sawtoothed grain adults comprising, applying to the locus where control is desired a pesticidally-effective amount of benzyl alcohol, in admixture with an acceptable carrier.

26. A method for controlling sawtoothed grain adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 4-Blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol)10%, eugenol 1.7%, α -terpineol 1.7%, and cinnamic alcohol 1.7%, in admixture with an acceptable carrier.

27. A method for controlling sawtoothed grain adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 4-blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol)10%, eugenol 2.5%, thymol 3%, and cis-jasmone 0.6%, in admixture with an acceptable carrier.

28. A method for controlling sawtoothed grain adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl propionate 3.75%, thymol 3.0%, eugenol 2.5%, and PD98059 0.03%, in admixture with an acceptable carrier.

29. A method for controlling sawtoothed grain adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, 2-phenyl

*Sub B2
Contd*

ethyl propionate, benzyl alcohol, α -terpineol and eugenol, in admixture with an acceptable carrier.

30. A method for controlling red flour beetle adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol, in admixture with an acceptable carrier.

*Sub
C2*

*A4
Cont.*

~~31.~~ A method for controlling red flour beetle adults comprising, applying to the locus where control is desired a pesticidally-effective amount of benzyl alcohol, in admixture with an acceptable carrier.

32. A method for controlling red flour beetle adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 4-Blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol) 10%, eugenol 1.7%, α -terpineol 1.7%, and cinnamic alcohol 1.7%, in admixture with an acceptable carrier.

33. A method for controlling red flour beetle adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 4-blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol) 10%, eugenol 2.5%, thymol 3%, and cis-jasmone 0.6%, in admixture with an acceptable carrier.

34. A method for controlling red flour beetle adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl propionate 3.75%, thymol 3.0%, eugenol 2.5%, and PD98059 0.03%, in admixture with an acceptable carrier.

35. A method for controlling red flour beetle adults comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, α -terpineol and eugenol, in admixture with an acceptable carrier.

36. A method for controlling drugstore beetle larvae comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol, in admixture with an acceptable carrier.

37. A method for controlling drugstore beetle larvae comprising, applying to the locus where control is desired a pesticidally-effective amount of benzyl alcohol, in admixture with an acceptable carrier.

38. A method for controlling drugstore beetle larvae comprising, applying to the locus where control is desired a pesticidally-effective amount of 4-Blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol) 10%, eugenol 1.7%, α -terpineol 1.7%, and cinnamic alcohol 1.7%, in admixture with an acceptable carrier.

39. A method for controlling drugstore beetle larvae comprising, applying to the locus where control is desired a pesticidally-effective amount of 4-blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and α -terpineol) 10%, eugenol 2.5%, thymol 3%, and cis-jasmone 0.6%, in admixture with an acceptable carrier.

40. A method for controlling drugstore beetle larvae comprising, applying to the locus where control is desired a pesticidally-effective amount of 2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, α -terpineol and eugenol, in admixture with an acceptable carrier.

REMARKS

The Specification is amended to correct obvious minor typographical errors. Claims 1 through 7 are pending. Claims 1 through 6 are canceled without prejudice to, or disclaimer of, the subject matter they contain. Claim 7 is amended and Claims 8 through 40 are added to encompass infringing subject matter. No new matter is added to the application.